TRANSPARENT DATA FORMAT WITHIN HOST DEVICE SUPPORTING DIFFERING TRANSACTION TYPES

ABSTRACT OF THE DISCLOSURE

A system for servicing packet data transactions and input/output transactions includes an input port, an output port, a node controller, a packet manager, and a switching module. The input port is receives communications from a communicatively coupled processing device that include packet data transactions and input/output transactions. The output port transmits communications to a communicatively coupled processing device that include packet data transactions and input/output transactions. The node controller communicatively couples to a system bus of the processing device and services input/output transactions. The packet manager communicatively couples to the system bus of the processing device and services packet data transactions. A switching module communicatively couples to the input port, the output port, the node controller, and the packet manager and services the exchange of transaction cells among the input port, the output port, the node controller, and the packet manager. Each transaction cell has a control tag and data and carrying all or a portion of a packet data transaction or an input/output transaction.